

What is claimed is:

1. An alarm display unit of an IC tester for displaying an alarm when an abnormality occurs in a measured IC, the alarm display unit comprising:

a sampling control portion for collecting data in advance for use in deciding a permissible value for issuing an alarm display;

a permissible value calculation portion for calculating the permissible value on the basis of the data collected by the sampling control portion; and

an alarm control portion for judging whether the alarm is to be displayed or not, on the basis of the permissible value calculated by the permissible value calculation portion and a measured value obtained from the measured IC.

2. The alarm display unit according to claim 1, further comprising:

a sampling memory for storing the data collected by the sampling control portion;

a permissible value memory for storing the permissible value calculated by the permissible value calculation portion; and

a measured value memory for storing the measured value obtained from the measured IC, the measured value being used for comparison performed by the alarm control portion.

3. The alarm display unit according to claim 1,  
wherein:

the sampling control portion collects in advance data on  
the number of continuous failures by the measured IC;

the permissible value calculation portion calculates a  
mean value  $\mu$  and a standard deviation  $\sigma$  of the data on the number  
of continuous failures, and sets a value of  $\mu+3\sigma$  as the  
permissible value; and

the alarm control portion compares the value of  $\mu+3\sigma$  with  
the measured value of the number of continuous failures, and  
judges whether the alarm is to be displayed or not, on the basis  
of the comparison.

4. The alarm display unit according to claim 3, further  
comprising:

a sampling memory for storing the data on the number of  
continuous failures;

a permissible value memory for storing the value of  $\mu+3\sigma$ ;  
and

a measured value memory for storing the measured value  
of the number of continuous failures, the measured value of the  
number of continuous failures being used for comparison.